

India

Underweight (no change)

Highlighted Companies

Indraprastha Gas

REDUCE, TP Rs277, Rs462 close

Over the last 12 years, the stock has on average traded at 17.6x one-year forward EPS. Compared to oil marketing companies or OMCs, Indian CGD companies trade at a valuation of 9x P/BV.

Gujarat Gas REDUCE, TP Rs410, Rs466 close

Continued scarcity of LNG keeping its prices around US\$50/mmBtu is key headwind for the CGD segment. Consensus earnings are for in а disappointment as either the gross profit will decline, or the volume growth will disappoint. Gujarat Gas is our top REDUCE-rated stock.

Petronet LNG

HOLD, TP Rs228, Rs236 close

We shift to near-term P/E-based valuation. We value Petronet LNG at 11.5x FY24F EPS to arrive at our target price of Rs228. Retain HOLD rating on it.

Summary Valuation Metrics

P/E (x)	Mar22-A	Mar23-F	Mar24-F
Indraprastha Gas	24.03	29.39	27.77
Gujarat Gas	29.5	29.65	26.26
Petronet LNG	10.77	12.56	11.86
P/BV (x)	Mar22-A	Mar23-F	Mar24-F
Indraprastha Gas	4.36	3.91	3.52
Gujarat Gas	5.88	5.01	4.29
Petronet LNG	2.62	2.41	2.22
Dividend Yield	Mar22-A	Mar23-F	Mar24-F
Indraprastha Gas	0.78%	0.78%	0.78%
Gujarat Gas	0.43%	0.43%	0.43%
Petronet LNG	4.45%	4.71%	4.92%

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Oil & Gas - Overall

New gas pricing - Is it bullish for stocks? No

- We believe the bullishness on CGD (city gas distribution) companies because of lower APM (administered price mechanism) is misplaced as it will pass through and moreover, they will have to depend on domestic gas production growth which limits volume growth to, at best, a 10% CAGR over FY23F-26F.
- The government will give priority to CGD over urea, but don't expect any letup in urea subsidy or else urea prices will rise. That's impossible in an election year. Any rise in LNG prices will raise the subsidy bill.
- We remain cautious on Indian CGD companies. Petronet LNG (HOLD) remains our top pick as its earnings are protected to some extent by a take-orpay contract. Sell IGL & MGL when you see some strength, if there is any.

CGD firms' growth depends on domestic output, lower APM no help

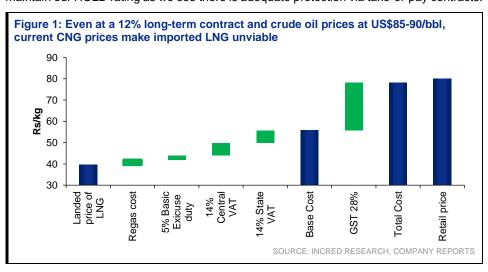
Indeed, consumers rather than CGD business profit more from the changed APM pricing structure. We expect a 5–7% decline in prices but stay wary of CGD companies as: 1) Assuming that crude oil prices remain around the US\$85-90/bbl level, a long-term contract with a standard 12% slope will also not be feasible for Indian CGD and PNG players and hence, Indian CGD firms will have to rely on domestic APM natural gas. 2) In the next three-to-four years, Indian natural gas output increase is unlikely to be more than 4-4.5bcm, thus limiting CGD volume growth to a 10% CAGR over FY23F-26F. 3) While government aims at 100% indigenous urea production by 2025F, it will entirely depend on international urea and LNG prices. If urea prices remain subdued, it won't make sense to import costly LNG and produce urea from it. 4) While CNG stations are set to double over the next three years and PNG connections to rise by 50%, because of the reasons stated above, CNG sales per station will decline by 25% to 2mmscm from 2.7 mmscm/ station/ annum(FY23 Sales).

LNG liquefaction assets must operate at over 95% in CY23F/24F/25F

The delay in commissioning Russian LNG capacity (as most EPC contractors have pulled out of country) and the breakneck pace at which Germany is commissioning its LNG regasification capacity (to reduce the reliance on coal) makes the international market finely balanced. Global liquefaction assets need to operate at 95%+ of their capacity for the next three years continuously (please note that global liquefaction assets, on a combined basis, have never operated year-long at more than 90% of their capacity). Operational breakdowns, weather-related hiccups and mandatory shutdowns will keep the global LNG market highly volatile. In this scenario, it's very unlikely that India's import requirement of 37bcm LNG can be met at 12% slope to crude oil.

Reiterate underweight stance on CGD companies

We reiterate our underweight stance on CGD companies and retain REDUCE rating on Indraprastha Gas (IGL), Mahanagar Gas (MGL), and Gujarat Gas. On Petronet LNG, we maintain our HOLD rating as we see there is adequate protection via take-or-pay contracts.





New gas pricing - Is it bullish for stocks? No

New gas pricing is good for consumers but does not render any help to CGD companies

The Cabinet Committee on Economic Affairs (CCEA) on Thursday approved the revised domestic natural gas pricing guidelines for gas produced from nomination fields of state-run ONGC and Oil India (OIL), New Exploration Licensing Policy (NELP) blocks and pre-NELP blocks, where the production sharing contract (PSC) provides for government approval of prices. As a result of these changes, consumer prices can fall by anywhere between 5-7% which is good for consumers but not of any help to CGD companies.

New gas pricing will be based on a formulae with a floor and a cap ➤

- The price of such natural gas shall be 10 per cent of the monthly average of Indian crude oil basket and shall be notified on a monthly basis. For the gas produced by ONGC and Oil India from their nomination blocks, the administered price mechanism (APM)-generated price shall be subject to a floor and a ceiling.
- The gas produced from new wells or well interventions in the nomination fields of ONGC and OIL would be allowed a premium of 20 per cent over the APM price.
- Floor and ceiling price to go up by 25 cents per year after two years. "The new guidelines are intended to ensure a stable pricing regime for domestic gas consumers while at the same time providing adequate protection to producers from adverse market fluctuation with incentives for enhancing production," the government said.
- 4. Last year, the Kirit Parikh committee on fair pricing of natural gas had recommended the price from old fields should be fixed at 10 per cent of the monthly average of India's crude oil basket. Besides, this price will also have a floor of US\$4/mmBtu and a ceiling of US\$6.5/mmBtu.
- 5. The reforms will lead to a significant decrease in the price of piped natural gas (PNG) for households and compressed natural gas (CNG) for transport. The reduced prices shall also lower the fertilizer subsidy burden and help the domestic power sector, the government said.

New wells of ONGC and OIL will have an advantage of 20% over the APM cap ➤

With a provision for a floor in gas prices and a provision for 20 per cent premium for new wells, this reform will incentivise ONGC and OIL to make additional long-term investments in the upstream sector, leading to greater production of natural gas and consequent reduction in import dependence for fossil fuels.



CNG and PNG will become cheaper in most cities across India >

Figure 2: CNG prices will fall by 5-6% in most cities across India

	CNG prices (₹/kg)		
Current	Expected	Change	
92	87	5	
95.9	89.9	6	
87	79	8	
79.56	73.59	6	
89.5	83.5	6	
91	83	8	
93.98	86.98	7	
	92 95.9 87 79.56 89.5 91	92 87 95.9 89.9 87 79 79.56 73.59 89.5 83.5 91 83	

SOURCE: INCRED RESEARCH, HTTPS://WWW.THEHINDUBUSINESSLINE.COM/MARKETS/COMMODITIES/GOVT-APPROVES-KIRIT-PARIKH-PANEL-RECOMMENDATIONS-ON-NATURAL-GAS-PRICING/ARTICLE66707578.ECE

Figure 3: Fall in PNG prices can be around 10% just because base prices are lower

	PNG prices (₹/SCM)			
	Current	Expected	Change	
Pune	57	52	5	
Sindhudurg	55	50	5	
Mumbai	54	49	5	
Delhi	53.59	47.59	6	
Bengaluru	58.5	52	6.5	
Meerut	58.5	52	6.5	
Bokaro				

SOURCE: INCRED RESEARCH, HTTPS://WWW.THEHINDUBUSINESSLINE.COM/MARKETS/COMMODITIES/GOVT-APPROVES-KIRIT-PARIKH-PANEL-RECOMMENDATIONS-ON-NATURAL-GAS-PRICING/ARTICLE66707578.ECE

It's a good move because it helps the government to fight inflation ➤

Any fall in the prices for consumers helps consumer sentiment in an election year.

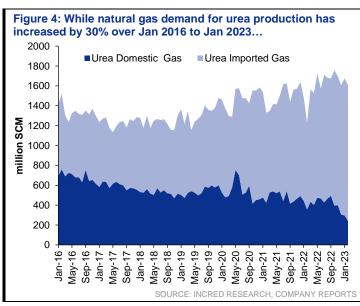
Does it help CGD companies? The answer is NO as gross profit (GP) percentage will go up but absolute GP and PAT to remain intact ➤

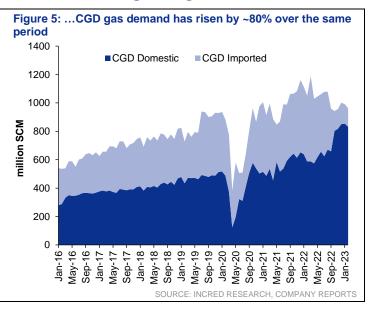
While the spreads will remain the same (selling price – cost of goods sold) in Rs/SCM terms, but as the denominator will go down (i.e., selling price will decline) gross margin in percentage terms will go up.



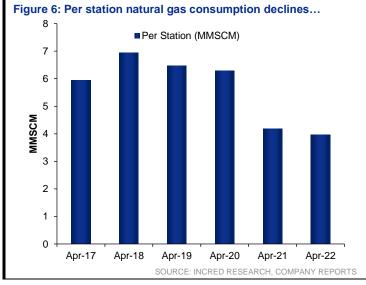
Domestic gas demand is likely to rise to 73bcm by FY26F

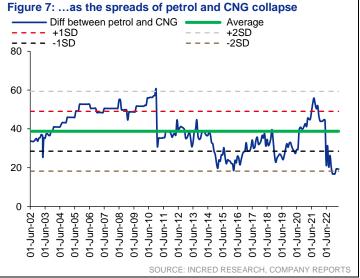
Indian urea and CGD demand is growing unabated >





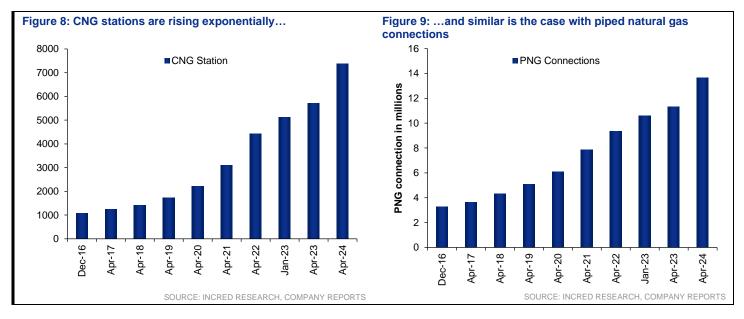
Per station CNG volume declines significantly as petrol and CNG spreads collapse ➤



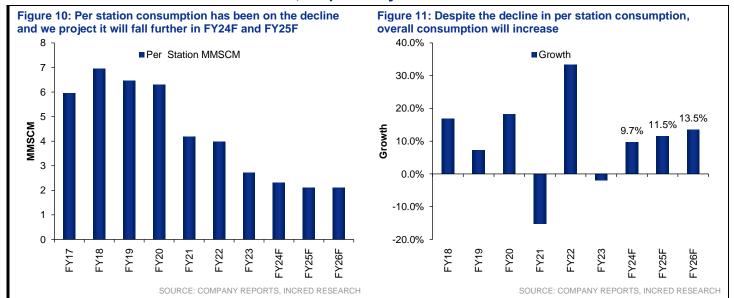




The Government of India is planning even more PNG connections and CNG stations ➤



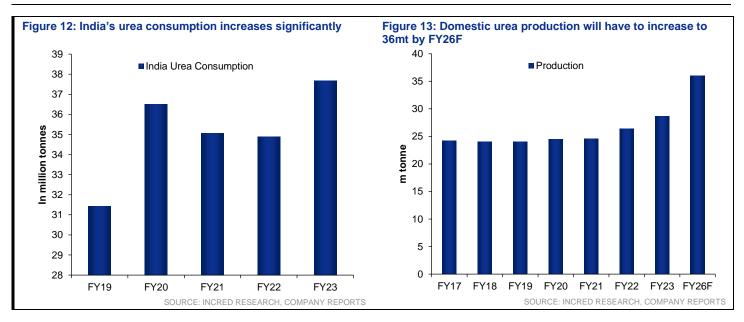
However, even if per station consumption declines by 15%, overall comsumption will rise by 10% and 11.5% in FY24F and FY25F, respectively ➤



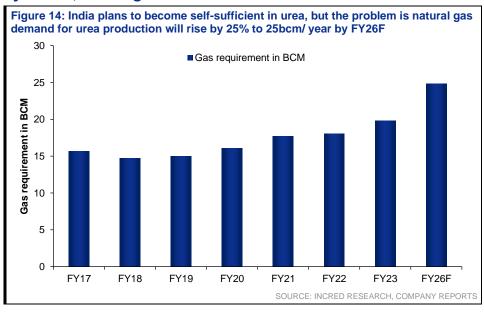
India's urea demand has been resilient and the country wants to be self reliant in urea production▶

India plans to become self-sufficient in urea by 2025F, as per the Government of India's Atmanirbhar pitch. (https://www.business-standard.com/article/current-affairs/india-to-be-self-sufficient-in-urea-by-2025-end-output-of-conventional-nano-urea-rising-govt-122070500913 1.html

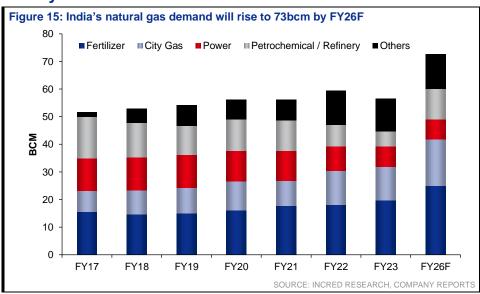




Hence, gas requirement for urea production will rise to ~25bcm by FY26F, 25% higher than in FY23 ➤



This means that overall India's gas requirement will rise to 73 bcm by FY26F ➤

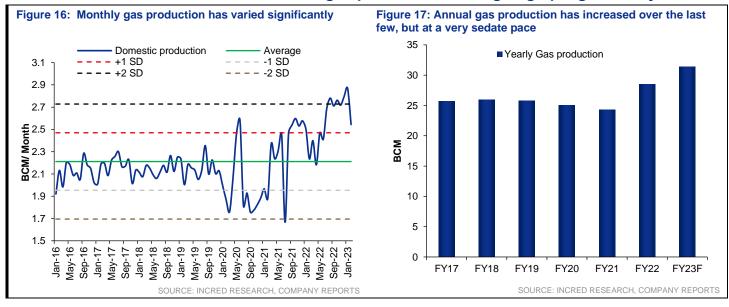




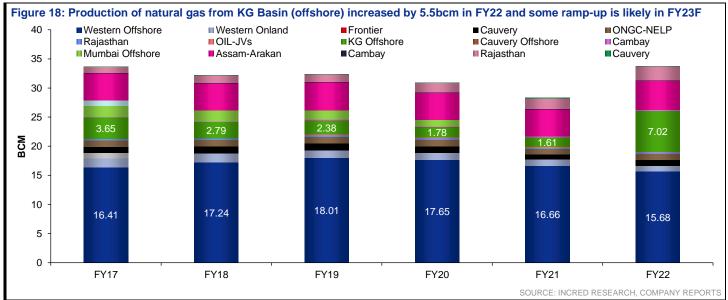
But where is the volume? Domestic gas production is not increasing vis-à-vis demand

While lower gas prices are good for consumers, the government's policy doesn't enumerate how the volume will come. Domestic gas production is not increasing and apart from ONGC & Oil India (who don't have a great track record in gas production growth) the others have no big incentive to invest heavily in gas exploration.

Domestic gas production is not going up significantly >



KG Basin (offshore) production has been ramped up in the recent past ➤



India's gas production can at best increase by 4.5bcm over three-to-four years ➤

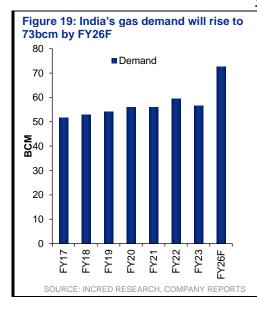
State-owned Oil & Natural Gas Corporation (ONGC) has kicked off gas production from its U deepwater field in the KG-DWN-98/2 asset, which is likely to achieve peak gas production of 3m cubic metres/day or 1bcm/year.

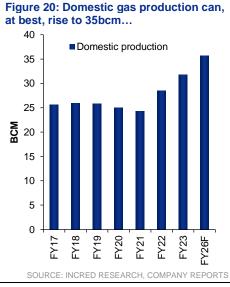
Similarly, Reliance Industries and its partner, the UK supermajor BP, are expected to initiate gas production from the MJ deep-water field in the KG-D6 asset, with peak production expected to rise to 12mmsmd or ~4bcm/year.

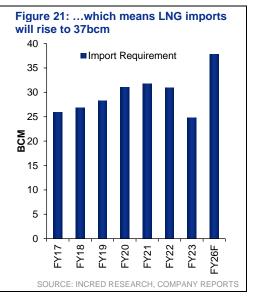


Increased gas production from the strategic deep-water assets near India's eastern coast comes as a tremendous relief for the country's hydrocarbon sector, which has seen its production declining over the years.

Hence, India's gas imports will rise substantially in the next two years ▶



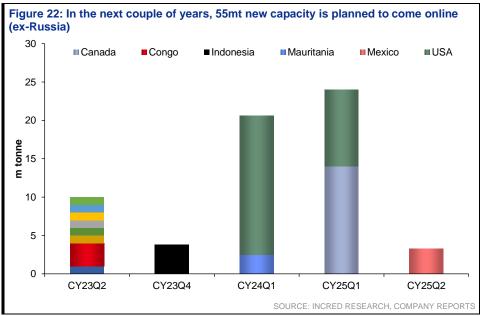






Can India's LNG imports rise by 13bcm or 9.5mt from spot market at 12% slope? Unlikely, hence supplies to urea-makers or CGD companies will be curtailed

In the next 33 months, ~55mt LNG liquefaction capacity will come on line ▶

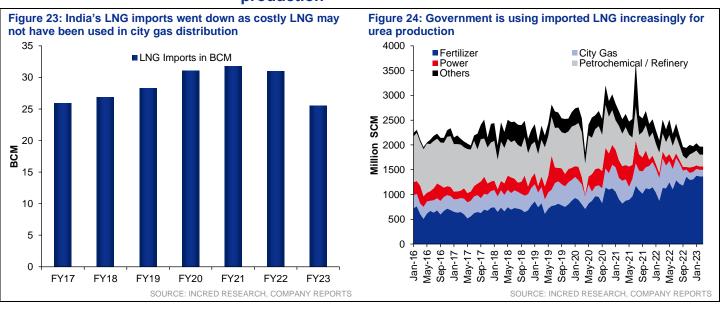


We are not accounting for Russian LNG projects as sanctions have impeded their progress significantly.

India's LNG imported LNG requirement is ~37bcm in FY26F ➤

Based on current demand calculations, we project import requirement of 37bcm or 27mt of LNG in FY26F.

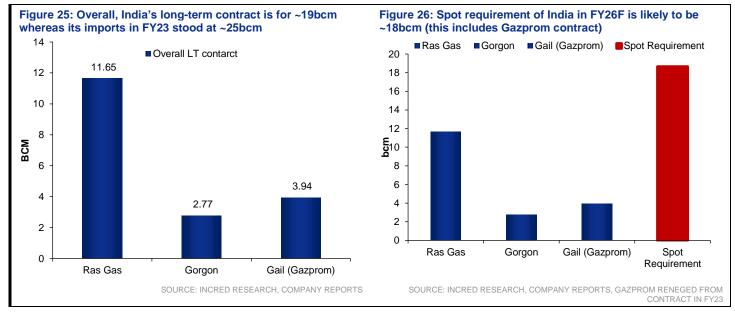
As of now, most of the imported LNG goes into urea production **>**



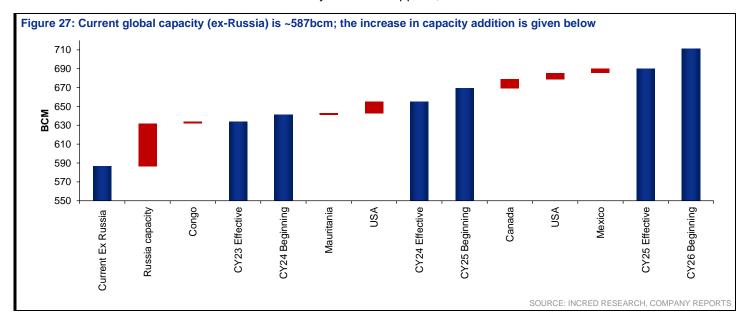


Can India get 37bcm LNG at 12% slope in FY26F? Only if global capacity keeps operating at 95%+ utilization for the next three years ➤

India's long-term contract as of now is ~18.5bcm. Hence, India is dependent on the spot market for the remaining 18.5bcm. Normally, long-term contracts are signed on 12% slope with crude oil.

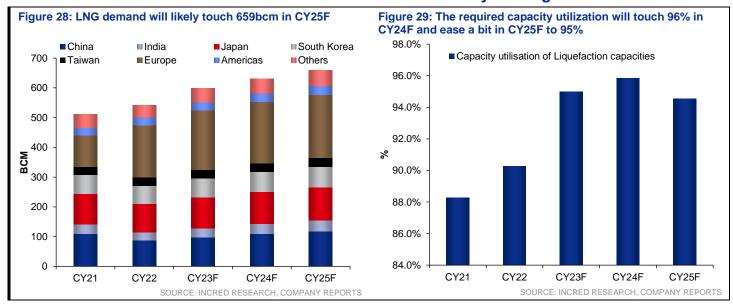


Available global capacity is listed below. An important point to note here is that out of nearly 697bcm effective liquefaction capacity, ~22% is in USA. We inherently assume that USA's entire capacity will keep operating at 95-96% for the next three years. If it happens, it will be a rare feat.



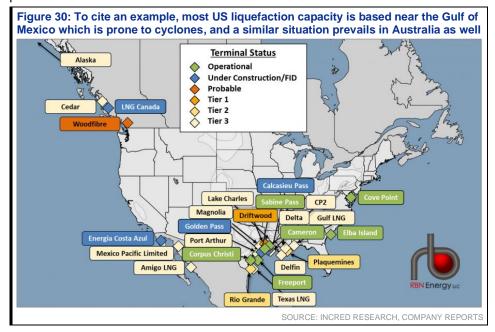


Global demand in 2023 and beyond is given below.



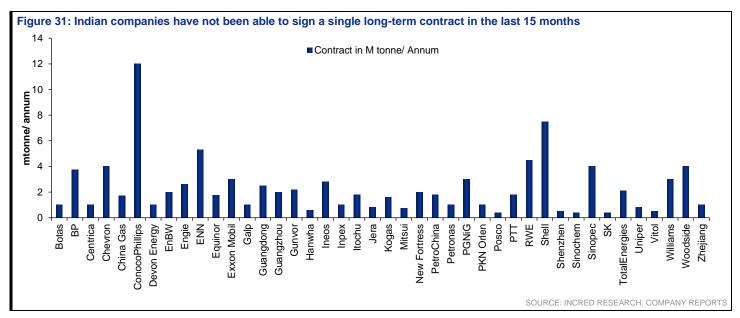
LNG industry has never operated at 95%of its capacity for a year, forget three consecutive years, and its very unlikely given weather-related issues and normal breakdowns ▶

Global liquefaction capacities are based near ports and many of them are prone to natural disasters. Hence, assuming a 100% capacity utilization rate across the world for the coming weeks is too much to ask for. In a most likely scenario, all LNG regasification capacity owners would like to have their storage filled at all point of time to avoid unforeseen weather risk.



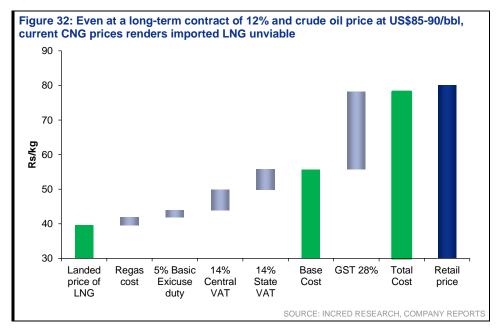


Indian companies have not been able to sign a single long-term contract in the last 15 months ▶



Given the volatile crude oil market, even standard long-term contract at 12% slope will not be viable for Indian CGD players ➤

Assuming crude oil prices remain around the US\$85-90/bbl level, the long-term contract at standard 12% slope also will not be viable for Indian CGD as well as PNG players.



Can India get LNG at 12% slope? It's not possible ➤

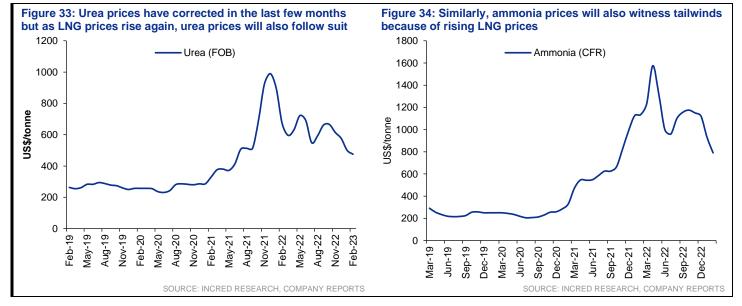
We have an old long-term contract for 18.5bcm and no new long-term contract has been signed by Indian CGD companies. Hence, getting LNG at 12% slope is not possible.

So what happens to CGD companies? They will get incremental volume from domestic fields at the expense of urea-makers ➤

In an election year, the government is unlikely to cut supplies to the public, but fiscal prudence is also a requirement. Natural gas prices are bound to go up again because of the shortage in spot market which will make urea prices to rise again



in the coming future. Both urea and ammonia prices are likely to touch their previous highs soon.



It's clear that CGD companies cannot use more than the current quantity of imported LNG and hence, volume growth will be a challenge ➤

Indian domestic CGD companies' volume growth will be a challenge and, at best, they can grow at the rate at which domestic gas production rises. If domestic gas production increases by ~4.5bcm in the next three years, then in a most likely case all incremental volume will go CGD players. We believe that industrial supply of natural gas will be curtailed in favour of retail supply.



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